

Midterm Lab Task 4

Using Dictionary Collections

Problem 1. Create the following UI for menu items: then allow the user to input orders

```
----- MENU -----
pizza      : $3.00
nachos     : $4.50
popcorn    : $6.00
fries       : $2.50
chips       : $1.00
pretzel    : $3.50
soda        : $3.00
lemonade   : $4.25
-----
Select an item (q to quit): pizza
Select an item (q to quit): soda
Select an item (q to quit): q
----- YOUR ORDER -----
pizza soda
Total is: $6.00

Process finished with exit code 0
```

The user will continue to input orders until q is typed to quit. Then display the summary of orders with the total bill.

1. Use a dictionary(for the menu) and List(for the orders in the cart)
2. Users may input the same item in the cart.
3. Follow the exact format and whitespace for the menu
4. User input should be case insensitive
5. If the user inputted an item not in the Menu – it will not include it in the cart and display “Not Available” and input another item
6. Create a MENU with 10 items and assign prices in Peso (php) - You may choose what items you would like to put in your cart

```
-----MENU-----  
hotdog      :Php 7.50  
tocino      :Php 9.20  
egg         :Php 6.00  
ham         :Php 2.50  
spam        :Php 12.00  
tapa        :Php 3.50  
bacon       :Php 3.00  
burgir      :Php 4.20  
-----  
Select an item (q to quit):hotdog  
Select an item (q to quit):tapa  
Select an item (q to quit):mayo  
Invalid Input  
Select an item (q to quit):burgir  
Select an item (q to quit):q  
-----YOUR ORDER-----  
hotdog tapa burgir  
Total is: 15.20
```

```
1 cart = []
2 cart_products = []
3 menu = {
4     "hotdog": 7.50,
5     "tocino": 9.20,
6     "egg": 6.00,
7     "ham": 2.50,
8     "spam": 12.00,
9     "tapa": 3.50,
10    "bacon": 3.00,
11    "burgir": 4.20,
12 }
13
14 key = menu.keys()
15 val = menu.values()
16 print("-----MENU-----")
17 for key, val in menu.items():
18     print("%s \t :Php %.2f" % (key, val))
19 print("-----")
20
21
22 def ORDERING():
23     while True:
24         choice = input("Select an item (q to quit):")
25         if choice == "q":
26             break
27         if choice in menu.keys():
28             cart.append(menu[choice])
29             cart_products.append(choice)
30         else:
31             print("Invalid Input")
32
33 |
34 ORDERING()
35 Total = 0
36 length = len(cart)
37
38 for i in range(0, length):
```

```
38 for i in range(0, length):
39     Total += cart[i]
40
41 print("\n-----YOUR ORDER-----")
42
43 for i in cart_products:
44     print(f"{i}", end=" ")
45
46
47 print("\nTotal is: %.2f" % (Total))
48
```

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